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M A
     GCTGTTCCTCAAAATAATCTACAGGAGCAACTAGAACGTCACTCAGCCAGAACACTTAATAAATTAAGTCTTTCAAA 160
    3 A V P Q N N L Q E Q L E R H S A R T L N N K L S L S K
     ACCAAAATTITCAGGTTCACTTTTAAAAAGAAAACATCTTCAGATAACAATGTATCTGTAACTAATGTGTCAGTAGCAA
      PKFSGFTFKKKTSSDNNVSVTNVSVA
     AAACACCTGTATTAAGAAATAAAGATGTTAATGTTACCGAAGACTTTTCCTTCAGTGAACCTCTACCCAACACCACAAAT
   56 K T P V L R N K D V N V T E D F S F S E P L P N T T N
     \tt CAGCAAAGGGTCAAGGACTTCTTTAAAAATGCTCCAGCAGGACAGGAAACACAGAGGGGGTGGATCAAAATCATTATTGCC
   83 Q Q R V K D F F K N A P A G Q E T Q R G G S K S L L P
     AGATTTCTTGCAGACTCCGAAGGAAGTTGTATGCACTACCCAAAACACACCGACTGTAAAGAAATCCCGGGGATACTGCTC 480
  110 DFLQTPKEVVCTTQNTPTVKKSRDTA
     TCAAGAAATTAGAATTTAGTTCTTCACCAGATTCTTTAAGTACCATCAATGATTGGGATGATATGGATGACTTTGATACT 560
  135 L K K L E F S S S P D S L S T I N D W D D M D D F D T
     TCTGAGACTTCAAAATCATTTGTTACACCACCCCAAAGTCACTTTGTAAGAGTAAGCACTGCTCAGAAAT<u>CAA</u>AAAAGGG
  163 SETSKSFVTPPQSHFVRVSTAQK<del>S</del>KKG
     KRNFFKAQLYTTNTVKTDLPPPSSES
    AGCAAATAGATTTGACTGAGGAACAGAAGGATGACTCAGAATGGTTAAGCAGGGATGTGATTTGCATCGATGATGGCCCC
  216 E Q I D L T E E Q K D D S E W L S S D V I C I D D G P
    ATTGCTGAAGTGCATATAAATGAAGATGCTCAGGAAAGTGACTCTCTGAAAACTCATTTGGAAGATGAAAGAGATAATAG
  243 I A E V H I N E D A Q E S D S L K T H L E D E R D N S
    EKKKNLEEAELHSTEKVPCIEFDDDD
    ATGATACGGATTTTGTTCCACCTTCTCCAGAAGAAATTATTTCTGCTTCTTCTTCTTCAAAATGCCTTAGTACGTTA 1040
296 Y D T D F V P P S P E E I I S A S S S S K C L S T L
    AAGGACCITGACACATCTGACAGAAAAGAGGATGTTCTTAGCACATCAAAAGATCTTTTGTCAAAACCTGAGAAAATGAG 1120
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323 K D L D T S D R K E D V L S T S K D L L S K P E K M S
    TATGCAGGAGCTGAATCCAGAAACCAGCACAGACTGTGACGCTAGACAGATAAGTTTACAGCAGCAGCTTATTCATGTGA 1200
350 MQELNPETSTDCDARQISLQQQLIHV
    376 M E H I C K L I D T I P D D K L K L L D C G N E L L Q
    CAGCGGAACATAAGAAGGAAACTTCTAACGGAAGTAGATTTTAATAAAAGTGATGCCAGTCTTCTTGGCTCATTGTGGAG 1360
□ 403 Q R N I R R K L L T E V D F N K S D A S L L G S L W R
   ATACAGGCCTGATTCACTTGATGGCCCTATGGAGGGTGATTCCTGCCCTACAGGGAATTCTATGAAGGAGTTAAATTTTT 1440
 430 Y R P D S L D G P M E G D S C P T G N S M K E L N F
    CACACCTTCCCTCAAATTCTGTTTCTCCTGGGGACTGTTTACTGACTACCACCCTAGGAAAGACAGGATTCTCTGCCACC 1520
456 S H L P S N S V S P G D C L L T T T L G K T G F S A T
    AGGAAGAATCTTTTTGAAAGGCCTTTATTCAATACCCATTTACAGAAGTCCTTTGTAAGTAGCAACTGGGCTGAAACACC 1600
 483 RKN_LFERPLFNTHLQKSFVSSNWAETP
    AAGACTAGGAAAAAAAAATGAAAGCTCTTATTTCCCAGGAAATGTTCTCACAAGCACTGCTGTGAAAGATCAGAATAAAC 1680
     R L G K K N E S S Y F P G N V L T S T A V K D Q N K
    ATACTGCTTCAATAAATGACTTAGAAAGAGAAACCCAACCTTCCTATGATATTTGATAATTTTGACATAGATGACTTTGAT 1760
 536 H T A S I N D L E R E T Q P S Y D I D N F D I D D F D
    563 D D D D W E D I M H N L A A S K S S T A A Y Q P I Ř E
    ĠŔPIŘŠVSEŘĹSSAKTDCLPVSŠTÁQ
   ATATAAACTTCTCAGAGTCAATTCAGAATTATACTGACAAGTCAGCACAAAATTTAGCATCCAGAAATCTGAAACATGAG 2000
 616 N I N F S E S I Q N Y T D K S A Q N L A S R N L K H E
   CGTTTCCAAAGTCTTAGTTTTCCTCATACAAAGGAAATGATGAAGATTTTTCATAAAAATTTGGCCTGCATAATTTTAG 2080
 643 R F Q S L S F P H T K E M M K I F H K K F G L H N F R
   AACTAATCHGCTAGAGGCGATCAATGCTGCACTGCTTGGTGAAGACTGTTTTATCCTGATGCCGACTGGAGGTGGTAAGA 2160
    TNQLEAINAALLGEDCFILMPTGGGK
   GTTTGTGTTACCAGCTCCCTGCCTGTGTTTCTCCTGGGGTCACTGTTGTCATTTCTCCCTTGAGATCACTTATCGTAGAT 2240
 696 S L C Y Q L P A C V S P G V T V V I S P L R S L I V D
   723 Q V Q K L T S L D I P A T Y L T G D K T D S E A T N I
   TTACCTCCAGTTATCAAAAAAAGACCCAATCATAAAACTTCTATATGTCACTCCAGAAAAGATCTGTGCAAGTAACAGAC 2400
    Y L Q L S K K D P I I K L L Y V T P E K I C A S N R
   776 L I S T L E N L Y E R K L L A R F V I D E A H C V S Q
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TGGGGACATGATTTTCGTCAAGATTACAAAAGAATGAATATGCTTCGCCAGAAGTTTCCTTCTGTTCCGGTCATGGCTCT 2560
  803 W G H D F R Q D Y K R M N M L R Q K F P S V P V M A L
     TACGGCCACAGCTAATCCCAGGGTACAGAAGGACATCCTGACTCAGCTGAAGATTCTCAGACCTCAGGTGTTTAGCATGA 2640
     TATANPRVQKDILTQLKILRPQVFSM
     GCTTTAACAGACATAATCTGAAATACTATGTATTACCGAAAAAGCCTAAAAAGGTGGCATTTGATTGCCTAGAATGGATC 2720
  856 S F N R H N L K Y Y V L P K K P K K V A F D C L E W I
    AGAAAGCACCACCATATGATTCAGGGATAATTTACTGCCTCTCCAGGGGAGAATGTGACACCATGGCTGACACGTTACA 2800
 883 R K H H P Y D S G I I Y C L S R R E C D T M A D T L Q
    GAGAGATGGGCTCGCTCGCTTACCATGCTCGCCTCAGTGATTCTGCCAGAGATGAAGTGCAGCAGAAGTGGATTA 2880
      RDGLAALAYHAGLSDSARDEVQQKWI
    ATCAGGATGCCTGTCAGGTTATCTGTGCTACAATTGCATTTGGAATGGGGATTGACAAACCGGACGTGCGATTTGTGATT 2960
 936 N Q D G C Q V I C A T I A F G M G I D K P D V R F V I
    CATGCATCTCCCTAAATCTGTGGAGGGTTACTACCAAGAATCTGGCAGAGCTGGAAGAGATGGGGAAATATCTCACTG 3040
 963 HASLPKSVEGYYQESGRAGRDGEISHC
    CCTGCTTTTCTATACCTATCATGATGTGACCAGACTGAAAAGACTTATAATGATGGAAAAAGATGGAAACCATCATACAA 3120
     L L F Y T Y H D V T R L K R L I M M E K D G N H H T
    GAGAAACTCACTTCAATAATTTGTATAGCATGGTACATTACTGTGAAAATATAACGGAATGCAGGAGAATACAGCTTTTG 3200
1016 RETHFNNLYSMVHYCENITECRRIQLL
    GCCTACTTTGGTGAAAATGGATTTAATCCTGATTTTTGTAAGAAACACCCAGATGTTTCTTGTGATAATTGCTGTAAAAC 3280
1043 AYFGENGFNPDFCKKHPDVSCDNCCKT
    AAAGGATTATAAAACAAGAGATGTGACCGATGTGAAAAGTATTGTAAGATTTGTTCAAGAACATAGTTCATCACAAG 3360
     K D Y K T R D V T D D V K S I V R F V Q E H S S S Q
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2096 G M R N I K H V G P S G R F T M N M L V D I F L G S K
    AGTGCAAAAATCCAGTCAGGTATATTTGGAAAAGGATCTGCTTATTCACGACACAATGCCGAAAGACTTTTTAAAAAGCT 3520
1123 SAKIQSGIFGKGSAYSRHNAERLFKKL
    GA1 ICTTGACAAGATTTTGGATGAAGACTTATATATCAATGCCAATGACCAGGCGATCGCTTATGTGATGCTCGGAAATA 3600
     I L D K I L D E D L Y I N A N D Q A I A Y V M L G N
    AN CCAAACTGTACTAAATGGCAATTTAAAGGTAGACTTTATGGAAACAGAAATTCCAGCAGTGTGAAAAAACAAAAA 3680
1176 K 'QTVLNGNLKVDFMETENSSSVKKQK
   GCC:TAGTAGCAAAAGTGTCTCAGAGGGAAGAGATGGTTAAAAAATGTCTTGGAGAACTTACAGAAGTCTGCAAAATCTCT 3760
1203 ALVAKVSQREEMVKKCLGELTEVCKSL
   GGGGAAAGTTTTTGGTGTCCATTACTTCAATATTTTTAATACCGTCACTCTCAAGAAGCTTGCAGAATCTTTATCTTCTG 3840
1230 GKVFGVHYFNIFNTVTLKKLAESLSS
   ATCCTGAGGTTTTGCTTCAAATTGATGGTGTTACTGAAGACAAACTGGAAAAATATGGTGCGGAAGTGATTTCAGTATTA 3920
1256 D P E V L L Q I D G V T E D K L E K Y G A E V I SV L
   CAGAAATACTCTGAATGGACATCGCCAGCTGAAGACAGTTCCCCAGGGATAAGCCTGTCCAGCAGCAGAGGCCCCGGAAG 4000
1283 Q K Y S E W T S P A E D S S P G I S L S S S R G P G R
   AAGTGCCGCTGAGGAGCTTGACGAGGAAATACCCGTATCTTCCCACTACTTTGCAAGTAAAACCAGAAATGAAAGGAAGA 4080
    SAAEELDEEIPVSSHYFASKTRNERK
   GGAAAAAGATGCCAGCCTCCCAAAGGTCTAAGAGGAGAAAAACTGCTTCCAGTGGTTCCAAGGCAAAGGGGGGGTCTGCC 4160
1336 R K K M P A S Q R S K R R K T A S S G S K A K G G S A
   ACATGIAGAAAGATATCTTCCAAAACGAAATCCTCCAGCATCATTGGATCCAGTTCAGCCTCACATACTTCTCAAGCGAC 4240
1363 T C R K I S S K T K S S S I I G S S S A S H T S Q A T
   ATCAGGAGCCAATAGCAAATTGGGGATTATGGCTCCACCGAAGCCTATAAATAGACCGTTTCTTAAGCCTTCATATGCAT 4320
    S G A N S K L G I M A P P K P I N R P F L K P S Y A
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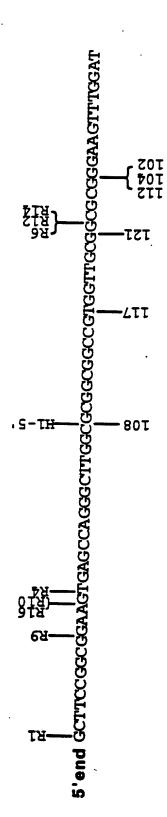


FIGURE 4

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	I Ia	
64	9 FPHTKEMMKIFIKKEGEHNERTNOLEATNAALLGEDOFILMPTGGGKSICTONPACASPEVEVVEISPERSEIVDOV	DI M
74	FEWSGKVKDITONVEKTEKERELQUETINVIMAGKEVELVMPTGGGKSTCYQUPATCEDGFTLVTCPLISLMEDQL	PEOI
650	YPWSDEVLYRLHEVEKÜPGERPNOLERYNATIOGKDYEVÜMPTGGGKSLCYQUERVYKSGKTHGTTIVISPDISLMODOV	SC SI
16	v =	2021
1.	TT	reco
725	OKLTSIDIPÄTYETGDKYDSEATNIYLOLSKEDPI KULTVUTPEKICASNRIJISTEENLYERKLIJARF IDEAHCVSONG	DT 14
150	MVIKOIGISAMINASSSKEHVKWIHDEMVNKNSELKUTYVTPEKTAKSKUFMSRLEKAYEARRFTRIAVDEVHCCSOWG	BLA
730	EHILMKNIKASMITSSRGTAEORROTFNLFINELINDIVY SPEMISASEOCKRAISKI VERKARI VDEAHCVSNAG	KEQU
.22	DOTOANGVARACINSTOTREOOLEUMTGCRTGORONY ARERL MIDNETICHE- HWNPVLLAVDEAHCISOWG	2021
	DATA STREET A STREET A STREET A STREET TO	recQ
805	HDFRQDYKRMMILIOKFESVEVIALITATANPRVOKDILITQUKELREQVESMSENRHNIKYYVEPEKKVAEDCLEW	DI.M
	HDFREDYKALGILKROFENASLEGUTATATMHULTDAOKIEC EKCFTETASENHEND-KYEVROKPSWIEDFIEDIVKL	PEOL
817	HDFRPDYKELKFFKREYPDIPMIALTATASEOWRWDTIHNLELKEBVFLKOSENRTNL-YYEVNKKTKNTIFEICDA	SC 51
157	EDERREYANICOLEGREPTLEF ALTRADOTTECONVRLIGINDELIQISSEDRENIRY-MMEKEKOLDQLMRY	2021
	TV V	reco
882	TRICHHPYDSGTTYCLSRRECDTMADTLORDGLAALAYHAGUSDSARDEVQORWINOGGCOV TOATIAFGMGIDEPDVRFV	Df W
309	ENGRYKGOSGIIYUFSQKDSEQVTVSLQNLGEHÄGAYHANLEPEDKTTYHRKWSÄNE-LOVVVATVAFGMGIDKPDVRFV	BEOI
	NKSBFKNOTGITYCHSKESCEOTSAOMORNGIKCAYYHAGMEPDERLSVOKAWOADE TOWYGATVAFGMGIDKEDVRFV	
233	WOEO-REKSGIIYENSKAKVEDTAAATQSKETSAAAYHAGLENNVRADWOEKFORDD-LDIYVATVAFEMGINKPNVRFV.	2021
***	TIT	recu
962	THASLEKSVEGYYOESGRAGROGEISHCLLFYTYHOVTRLKKLIMMEKOGNHHTRETHFMNLYSMVHYCENITECRRIQE	DT M
388	THISMSKSMENTYQESGRAGRUDMKADCILLAYGEGDIFRISSMVVMENVGQQKLYEMVSYCQNISKSRRVLM	
977	YHETVERTLEGYYQENGRAGROGNYEYCITEFSERDIRTMOTMIQKDKNLDRENKEKHLNKIQQVMAYCDNVIDCRKKOV	
311	VHEDIPENIESYYOETGRAGEDGLPAEAMTEYDPADMAWLERCLEEKPOGOLODIERH-KINAMGAFAEAOT-CRRLVL	2621
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